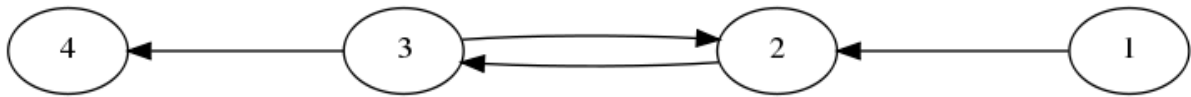
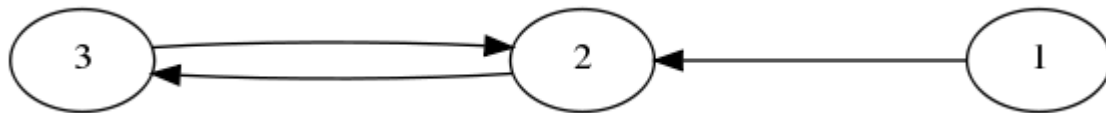


NETWORK 1: CHAIN



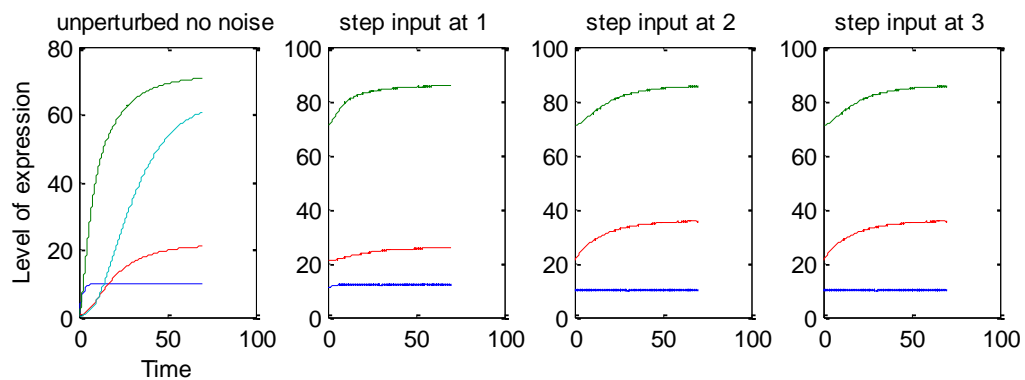
CASE 1: MEASUREMENTS 1, 2, 3

TRUE ANSWER:

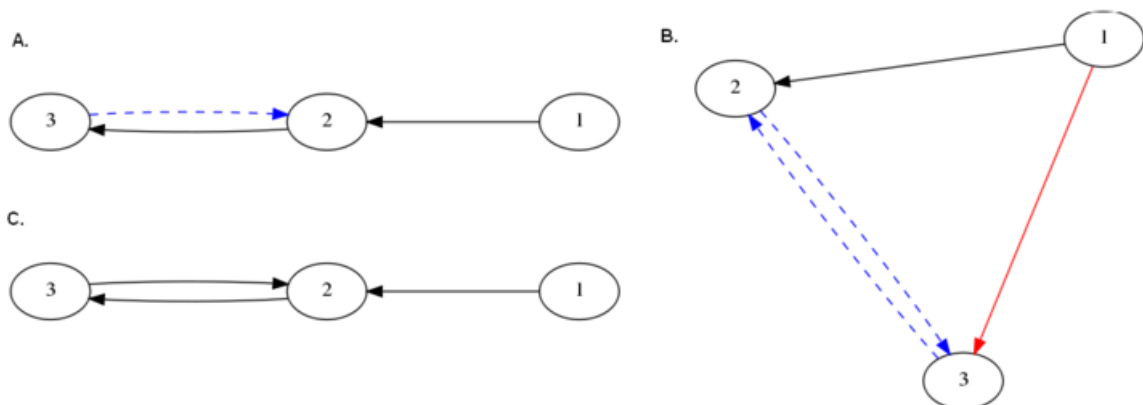


	SNR
TRIAL 1	57000
TRIAL 2	1888
TRIAL 3	576
TRIAL 4	190

TRIAL 1



ROBUST CONTROL METHOD

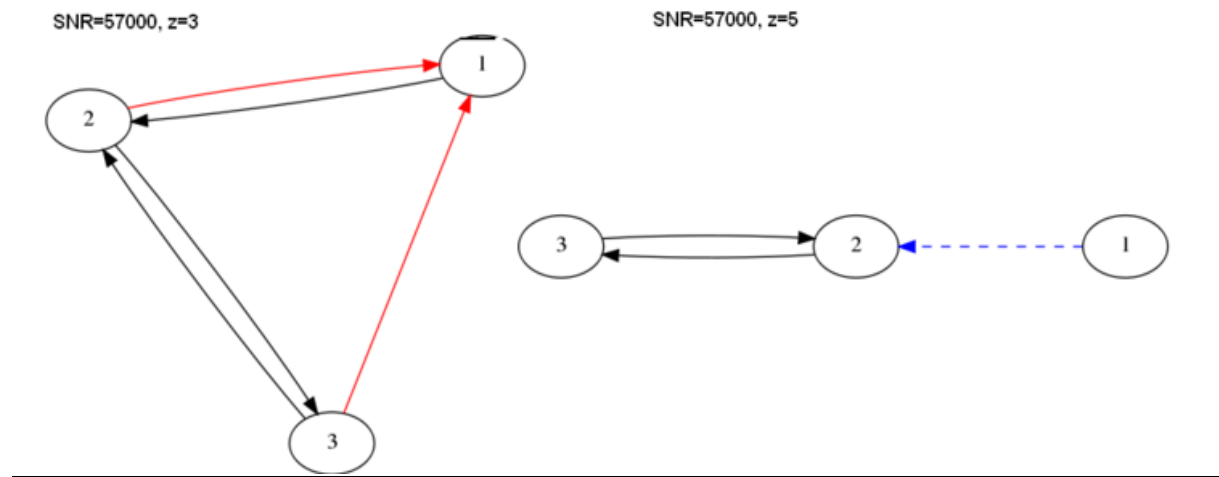


A. BEST RESULT B. SECOND BEST RESULT C. THIRD BEST RESULT

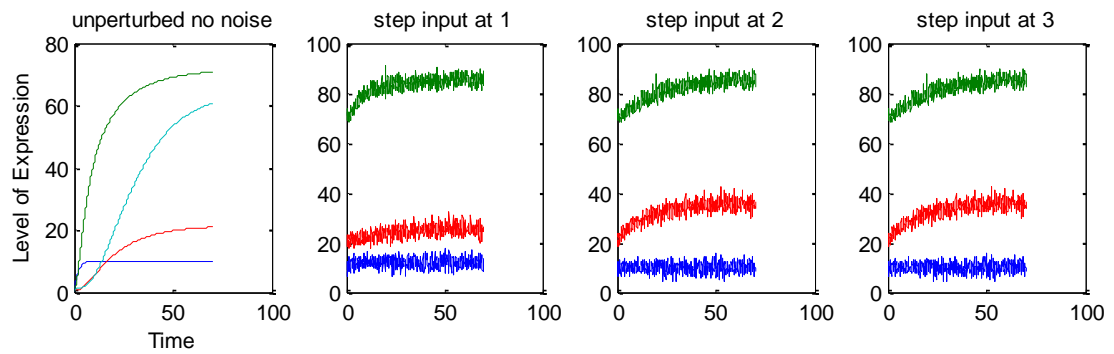
BAYESIAN INFERENCE METHOD

Z=3, NOT SO STRINGENT CONFIDENCE LEVEL

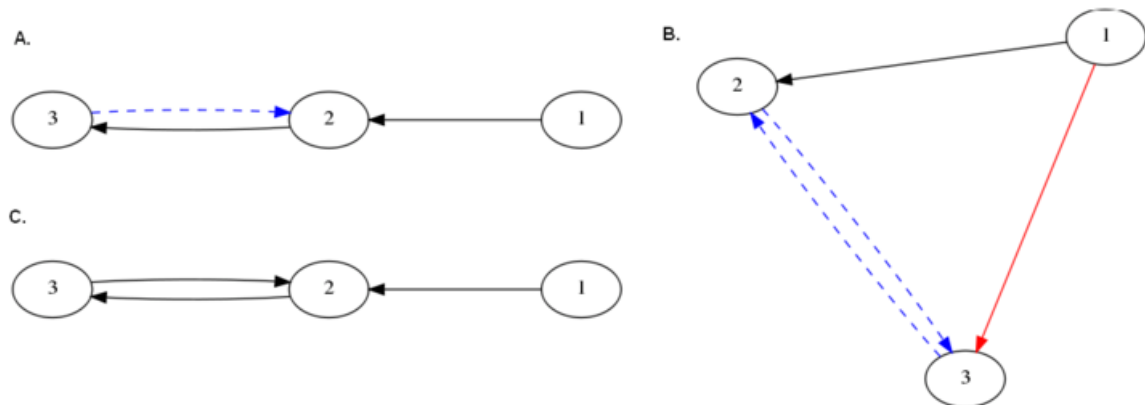
Z=5 MORE STRINGENT CONFIDENCE LEVEL



TRIAL 2



ROBUST CONTROL METHOD

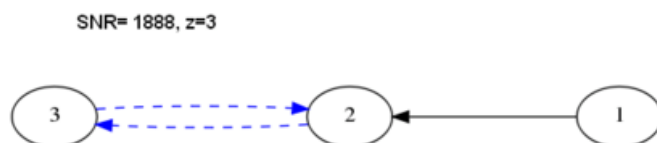


A. BEST RESULT B. SECOND BEST RESULT C. THIRD BEST RESULT

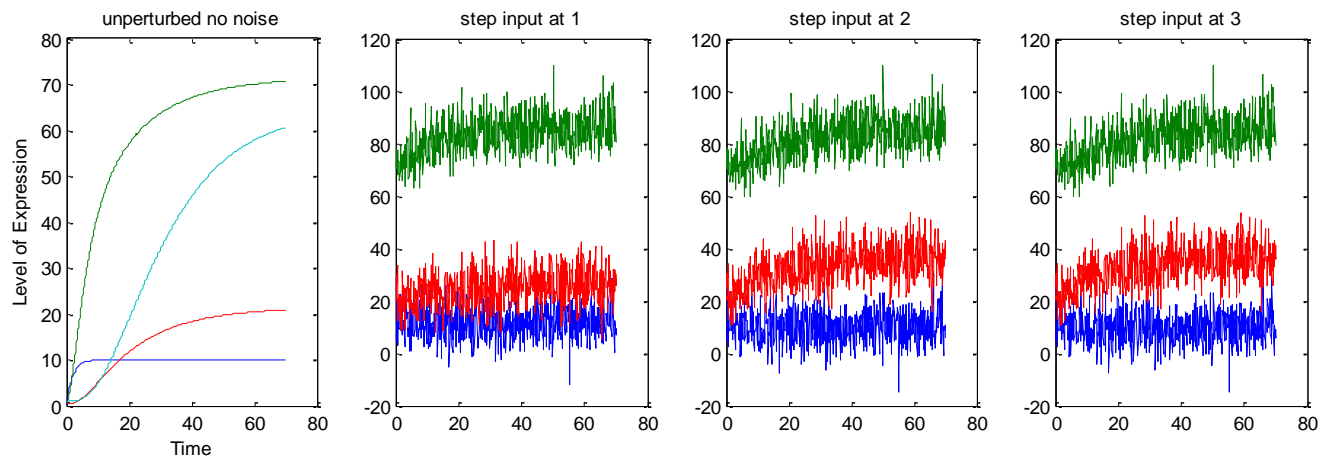
BAYESIAN INFERENCE METHOD

Z=3, NOT SO STRINGENT CONFIDENCE LEVEL, Z=5 MORE STRINGENT CONFIDENCE LEVEL

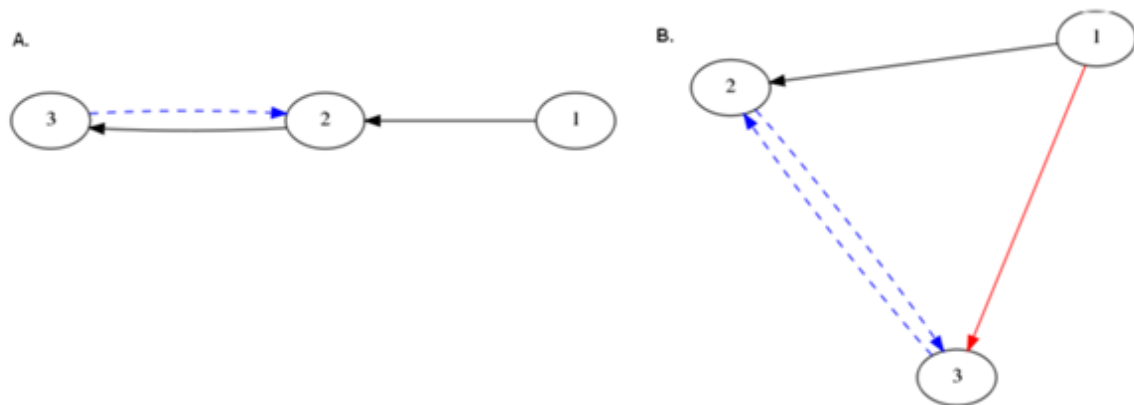
At z=5 it does not find any connections.



TRIAL 3



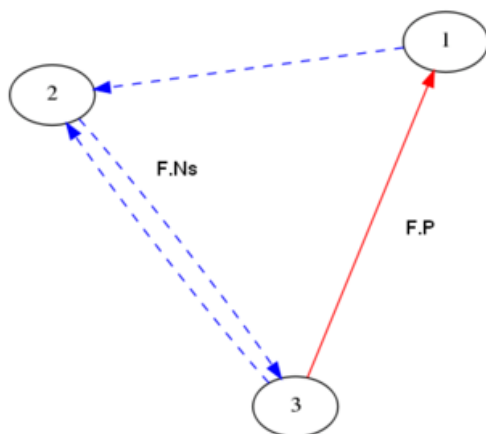
ROBUST CONTROL METHOD



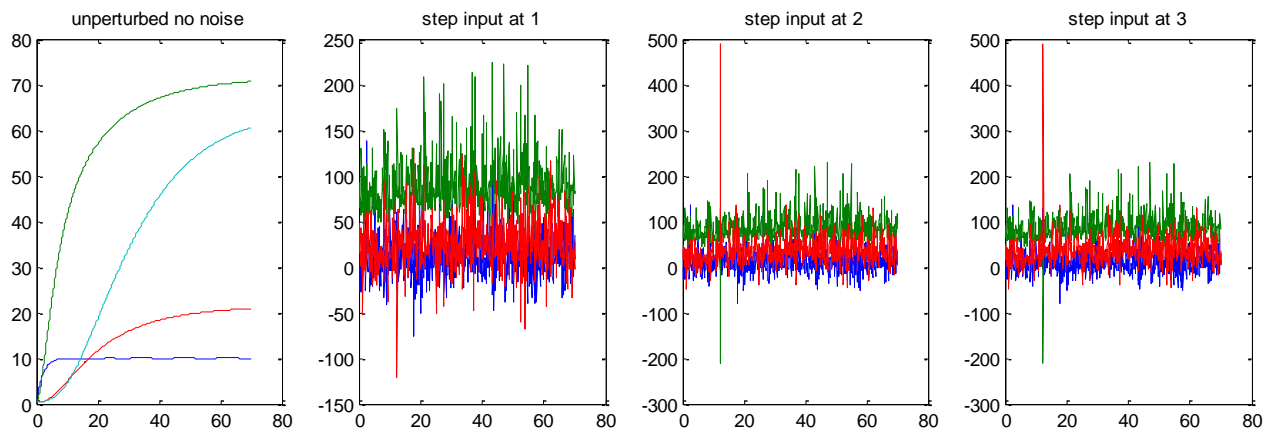
A. Best Network B. Second Best. The third best network in this case was a completely decoupled structure (not included in the figure)

BAYESIAN INFERENCE It only found a network at $z=3$, nothing at $z=5$ significance.

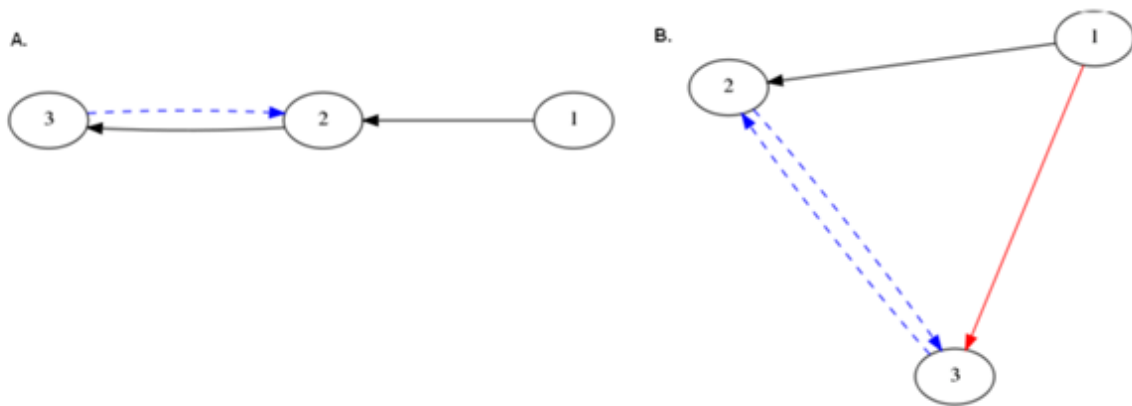
SNR=576, $z=3$



TRIAL 4



ROBUST CONTROL METHOD



A. Best Network B. Second Best. The third best network in this case was a completely decoupled structure (not included in the figure)

BAYESIAN INFERENCE

It did not find any connections.